

CLAIMS

1. A method of depositing metal oxide coatings onto a metal or ceramic substrate
5 which comprises treating a surface of said substrate with a polyelectrolyte to yield a surface coating of the polyelectrolyte thereon, and subsequently or simultaneously treating the coated surface with an aqueous slurry comprising metal oxide particles.

10 2. A method according to claim 1, wherein said polyelectrolyte is a polyacrylamide.

3. A method according to claim 1 or 2, wherein the substrate is a metal or ceramic catalyst support substrate in plate or monolith form.

15 4. A method according to claim 1, 2 or 3, wherein the metal oxide is a zeolite.

5. A method according to claim 1, 2 or 3, wherein the metal oxide is selected from alumina, silica, ceria, zirconia, magnesia and mixed oxide catalyst supports.

20 6. A method according to claim 4 or 5, wherein the metal oxide incorporates a catalytic component.

7. A method according to claim 6, wherein the catalytic component is one or more of the platinum group metals.

25 8. A supported catalyst comprising a plate or monolith coated with a metal oxide, produced according to any one of the preceding claims.